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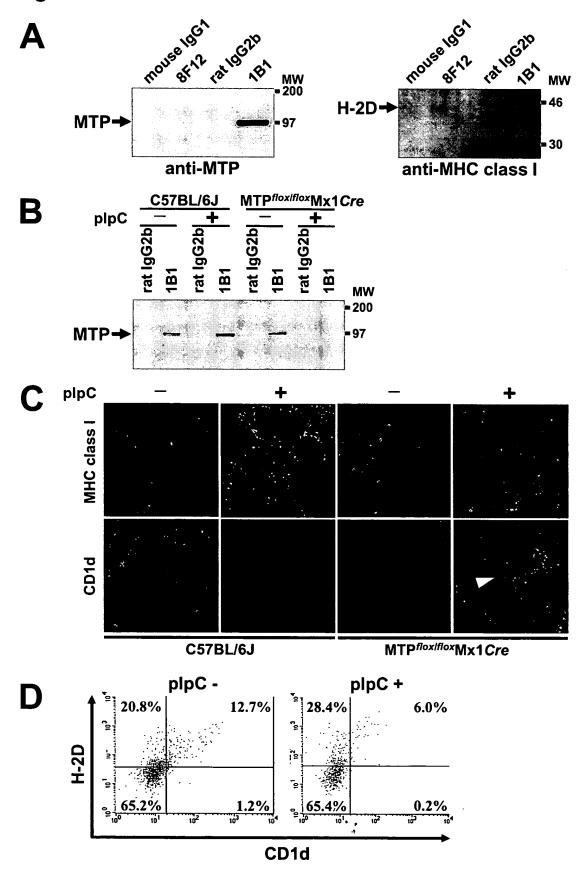
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Figure 1



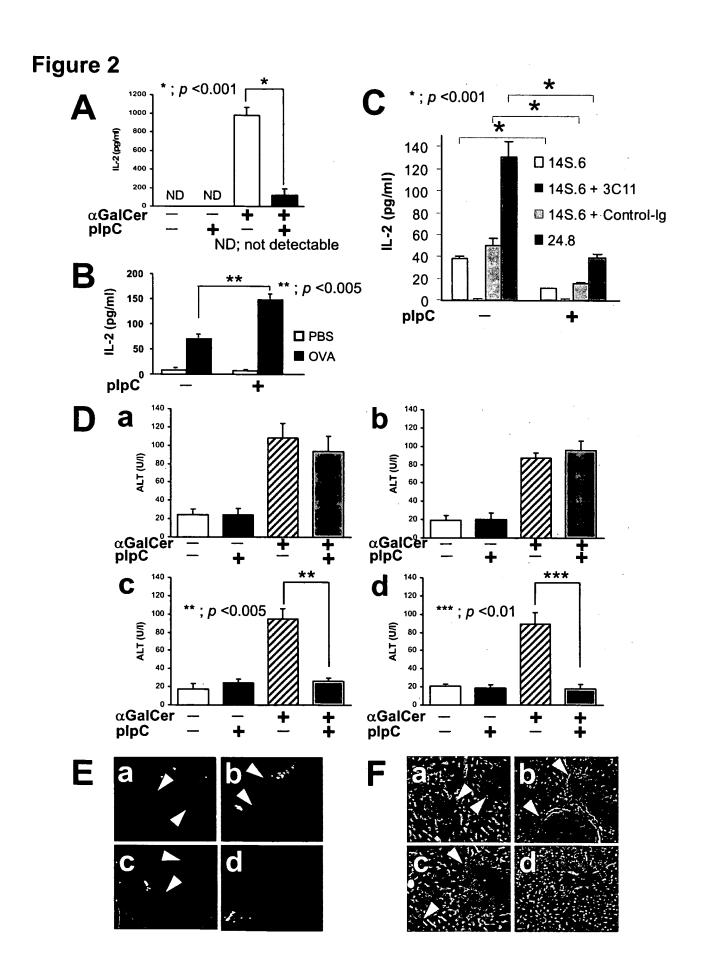


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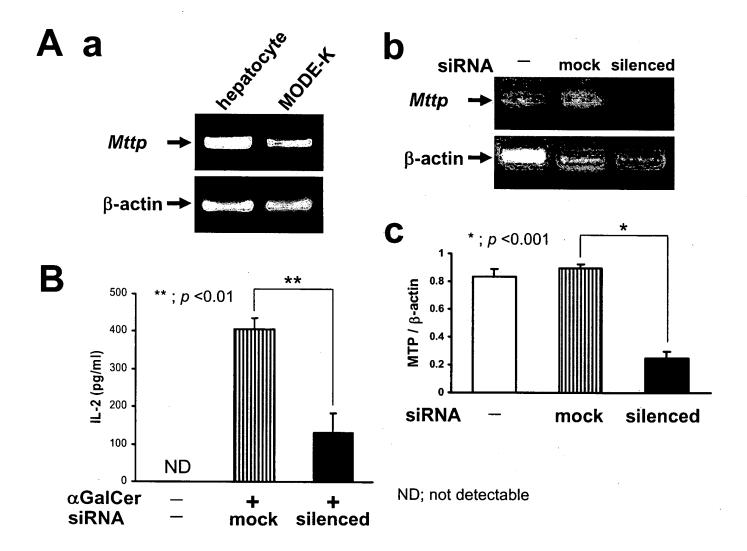
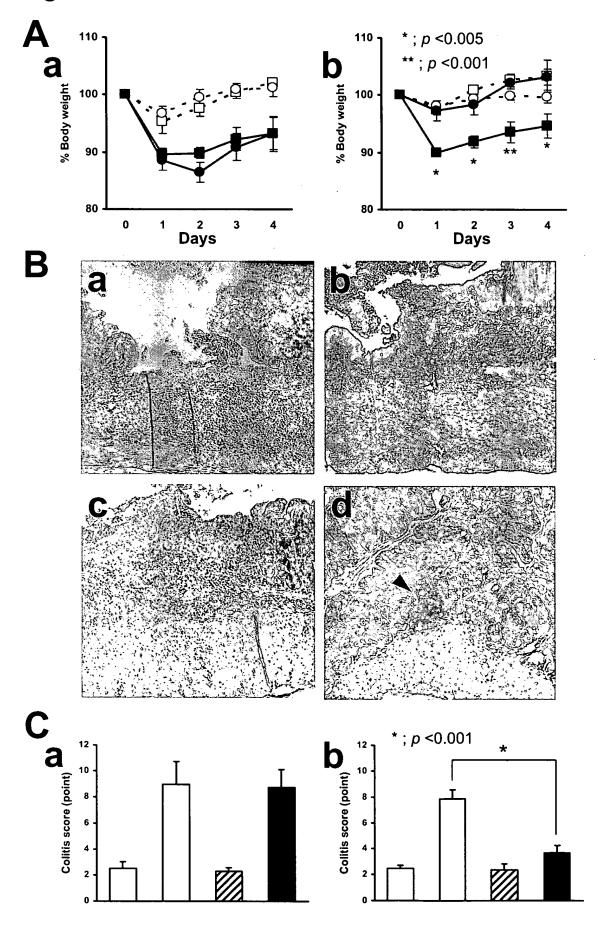
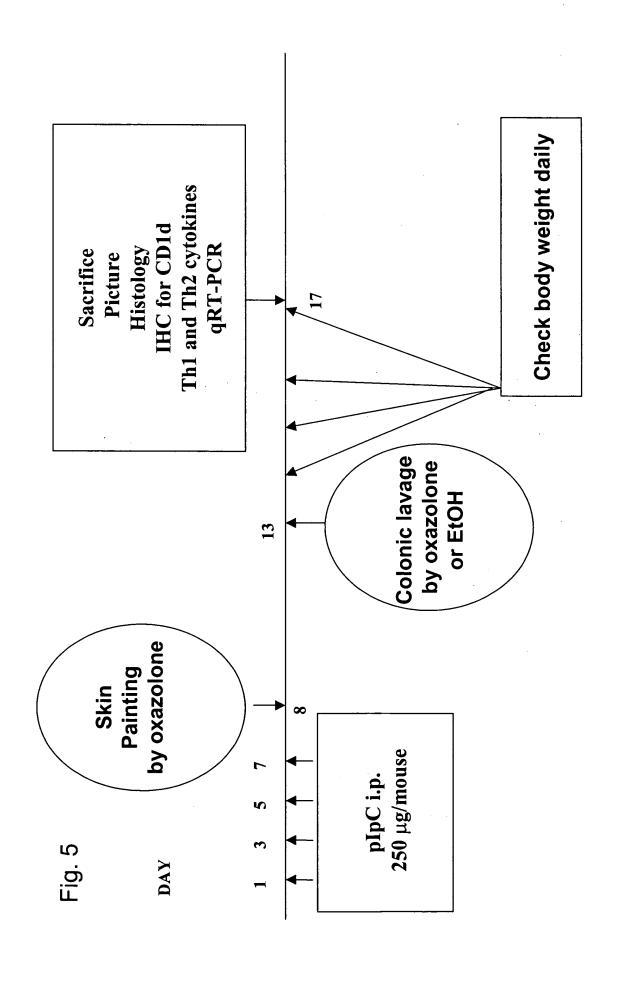


Figure 4





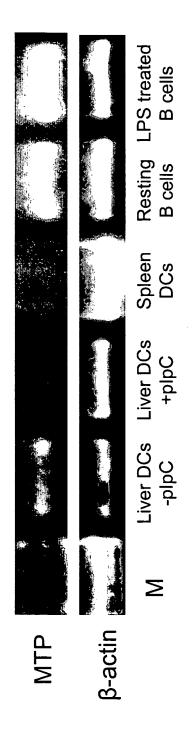
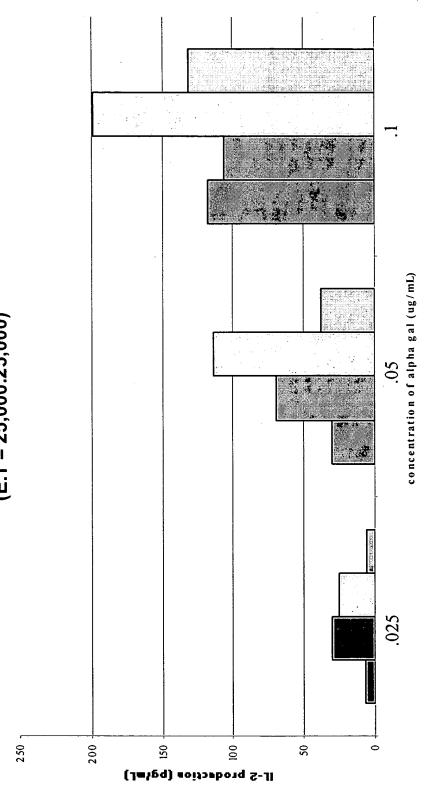


Figure 6

Silenced and wild type U937 cells are equally capable of presenting alpha gal to NKT cells at a 1:1 effecter to target ratio. Fig. 7





Three days post silencing Two days post silencing

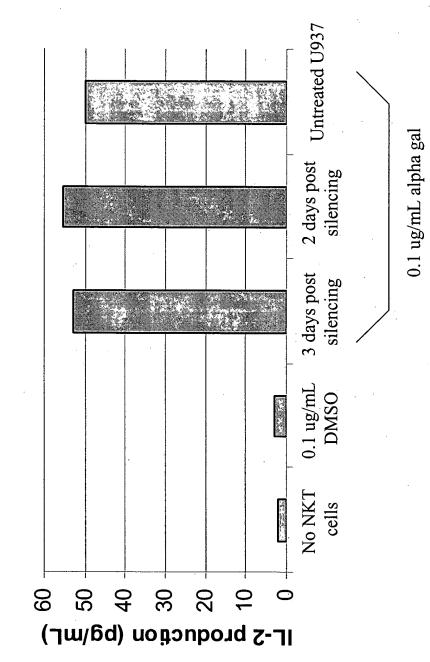
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IL-2 production in the absence of alpha gal was negligible.

Each data point represents 4 independent trials.

Silenced and wild type U937 cells are equally capable of presenting alpha gal to NKT cells at a 10:1 effecter to target ratio. Fig.8

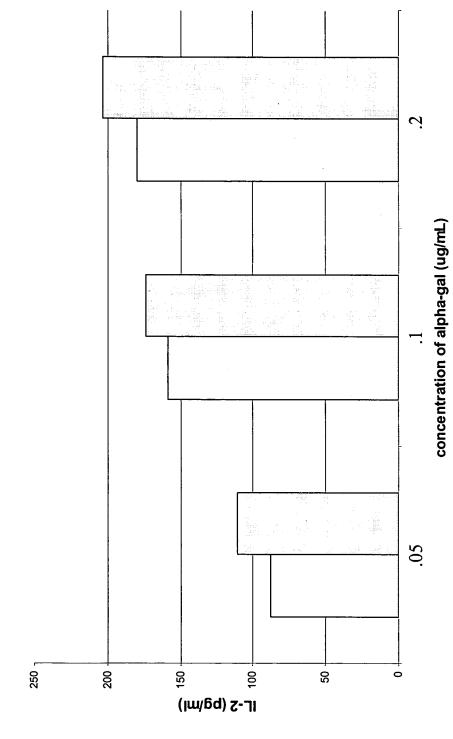
U937/DN32.D3 coculture assay (E:T = 50,000:5,000)



Each data point represents 4 independent trials.

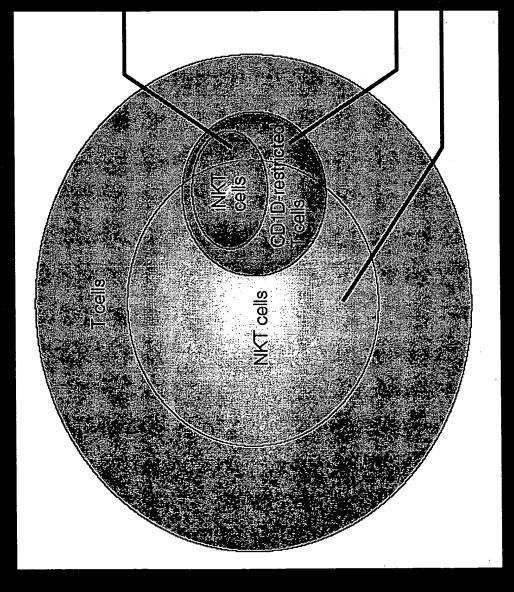
Silenced and wild type U937 cells are not equally capable of presenting alpha gal to NKT cells at a 100:1 effecter to target ratio. Fig. 9





IL-2 production in the absence of alpha gal was an average of 48.7 pg/mL. Each data point represents one trial.

The World of Natural Kiler T (NKT) Cells CDId-restricted and unrestricted

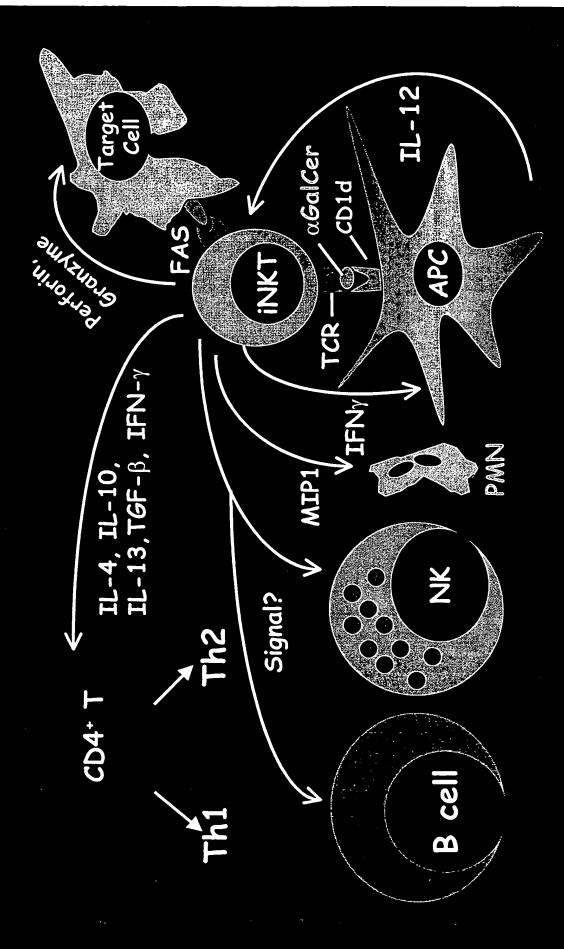


CD4 or DN Vα14-Jα18 Vβ8.2/7/2 αGalCer

CD4 or DN Semi-Diverse $V\alpha 3.2-J\alpha 9$ $V\alpha 8, V\beta 8$

Diverse CD4, CD8, DN MHC class I/II Adapted from Nature Reviews Immunol 2003;3:211

Multiple Regulatory Functions of inkt Cells



Adapted from Nature Reviews Immunol 2003;3:21

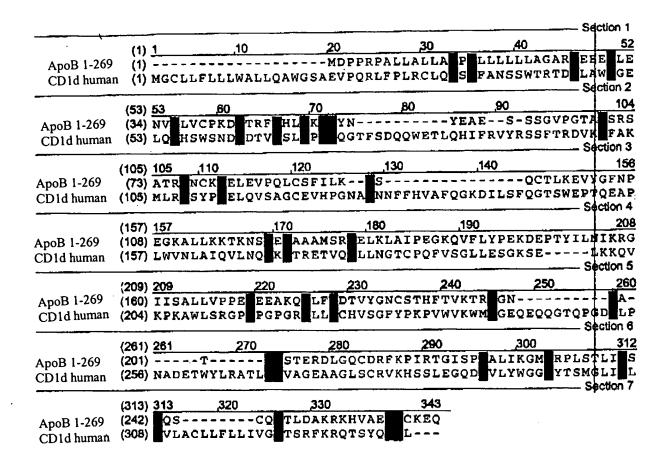


Figure 12

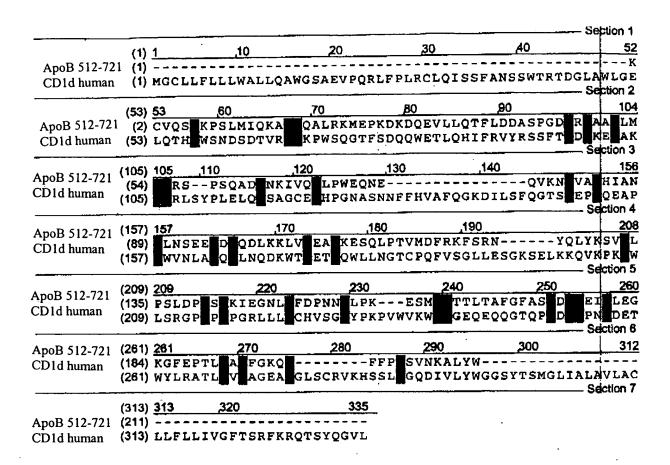


Figure 13

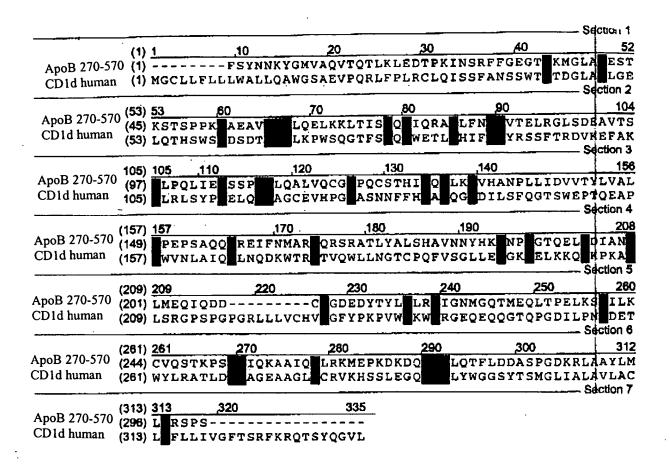


Figure 14